



**Entergy  
Operations**

Entergy Operations, Inc.  
P.O. Box 786  
Fort Gibson, MS 39150  
Tel 601-457-6408

December 14, 1990

**W. T. Cottle**  
Vice President  
Operations  
Grand Gulf Nuclear Station

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Monthly Operating Report  
GNRO-90/00001

In accordance with the requirement of Technical Specification 6.9.1.10, Entergy Operations is providing the Monthly Operating Report for Grand Gulf Nuclear Station Unit 1 for November 1990 (attachment).

If you have any questions or require additional information, please contact this office.

Yours truly,

WTC/RSJ:cg  
Attachment

- cc: Mr. D. C. Hintz (w/a)
- Mr. R. B. McGehee (w/a)
- Mr. N. S. Reynolds (w/a)
- Mr. H. L. Thomas (w/o)
- Mr. J. L. Mathis (w/a)

Mr. Stewart D. Ebnetter (w/a)  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop 11D21  
Washington, D.C. 20555

DOCKET NO. 50-416  
 DATE 12/11/90  
 COMPLETED BY L. F. Daughtery  
 TELEPHONE (601)437-2334

OPERATING STATUS

1. Unit Name: GGNS UNIT 1
2. Reporting Period: November 1990
3. Licensed Thermal Power (MWT): 3833 MWT
4. Nameplate Rating (Gross MWE): 1372.5 MWE
5. Design Electrical Rating (Net MWe): 1250 MWE
6. Maximum Dependable Capacity (Gross MWE): 1190 MWE
7. Maximum Dependable Capacity (Net MWe): 1142 MWE
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

Notes:

N/A

9. Power Level To Which Restricted, In Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	<u>This Month</u>	<u>Yr to Date</u>	<u>Cumulative</u>
11. Hours In Reporting Period	<u>720</u>	<u>8016</u>	<u>53,578</u>
12. Number of Hours Reactor Was Critical	<u>149.8</u>	<u>6475</u>	<u>41,530.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>103</u>	<u>6,403.9</u>	<u>39,651.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>280876</u>	<u>23,079,737</u>	<u>134,645,315</u>
17. Gross Electrical Energy Generated (MWH)	<u>85361</u>	<u>7,331,976</u>	<u>42,655,936</u>
18. Net Electrical Energy Generated (MWH)	<u>73370</u>	<u>7,018,273</u>	<u>40,756,266</u>
19. Unit Service Factor	<u>14.3</u>	<u>79.9</u>	<u>77.0</u>
20. Unit Availability Factor	<u>14.3</u>	<u>79.9</u>	<u>77.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>8.9</u>	<u>76.7</u>	<u>72.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>8.2</u>	<u>70.0</u>	<u>65.6</u>
23. Unit Forced Outage Rate	<u>38.7</u>	<u>4.4</u>	<u>5.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Completed Refueling Outage-4 11/26/90. Total duration was 57 days, 16 hours, and 48 minutes.
25. If Shut Down At End of Report Period. Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation).

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY	<u>-----</u>	<u>08/18/82</u>
INITIAL ELECTRICITY	<u>-----</u>	<u>10/20/84</u>
COMMERCIAL OPERATION	<u>-----</u>	<u>07/01/85</u>

DOCKET NO. 50-416  
 UNIT 1  
 DATE 12/11/90  
 COMPLETED BY L. F. Daughtery  
 TELEPHONE 601-437-2334

MONTH	<u>November 1990</u>		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	26
11	0	27	385.5
12	0	28	886.2
13	0	29	880.2
14	0	30	1187.9
15	0	31	
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-416  
UNIT NAME I  
DATE 12/11/90  
COMPLETED BY L. F. Daughtery  
TELEPHONE 601-437-2334

REPORT MONTH November 1990

No.	Date	Type (1)	Duration Hours	Reason (2)	Method of Shutting Down Reactor (3)	Licensee Event Report #	System Code (4)	Component Code (5)	Cause & Corrective Action To Prevent Recurrence
90-010	09/30/90	S	552.2	C	1	NA	NA	NA	Continued Refueling Outage
90-011	11/23/90	F	64.8	H	1	90-026	NA	NA	Due to problems encountered during RFO4 (unexpected delays) the outage was extended past its regularly scheduled completion date.

1  
F: Forced  
S: Scheduled

2  
Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & Licensing Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

3  
Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continued  
5-Reduced load  
6-Other

4  
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5  
Exhibit I-Same Source

Main Steam Safety Relief Valve Challenges

DOCKET NO. 50-416  
UNIT 1  
COMPLETED BY L. F. Daughtery  
TELEPHONE 601-437-2334

Date of Occurrence: November 25, 1990

Plant Operating Condition:

Rx Thermal Power 0% Rx Pressure (psig) 810 Rx Mode 2

Rx Power (MWE) 0 Rx Temperatures 512°F

Total number of mainsteam line SRV's: 20

Number of SRV's affected by event: 20

Narrative:

On November 25, 1990, the ADS/SRV valve operability surveillance was performed during reactor startup.

The following SRVs were actuated twice:

- B21-F041 A, B C, D, E, F, G & K
- B21-F047 A, C, D, G, H & L
- B21-F051 A, B, C, D, F & K